



SIMATIC IPC BX-39A; Intel(R) UHD graphic onboard; 4x USB 3.2; Ethernet (10/100/1000); PCIe (optional) Intel Xeon W-1155MLE (1.9/4.4 GHz, 6C/12T); wall mounting; 16 GB; M.2 SSD 256 GB Eco; without 2nd mass storage: without operating system; without option 1; Restore stick image with D&D and software image (if selected) only via OSD (Online portal) 24 V DC industrial power supply (NAU, isolated, bridging time);

| General information | |
|--|--|
| Product type designation | BX-39A |
| Installation type/mounting | |
| Mounting | DIN rail, wall mounting, portrait mounting |
| Design | Box PC, built-in unit |
| Supply voltage | |
| Type of supply voltage | 24 V DC |
| Rated value (DC) | 24 V |
| Mains buffering | |
| <ul style="list-style-type: none"> Mains/voltage failure stored energy time | 20 ms |
| Input current | |
| Current consumption (rated value) | 5 A; at 24 V DC and without load |
| Current consumption, max. | 5 A; At 24 V DC |
| Inrush current, max. | 75 A |
| Processor | |
| Processor type | Intel® Celeron 6600HLE (2.1 GHz, 2C/2T) Intel® Xeon W-11155MLE (1.8/3.1 GHz, 4C/8T) Intel® Xeon W-1155MLE (1.9/4.4 GHz, 6C/12T) Intel® Xeon W-11865MLE (1.5/4.5 GHz, 8C/16T) |
| Chipset | Intel® RM590E |
| Graphic | |
| Graphics controller | Intel® UHD Graphics 16 EUs (for Intel® Celeron® 6600HLE and Intel® Xeon® W-11155MLE) / Intel® UHD Graphics 32 EUs (for Intel® Xeon® W-1155MLE and Intel® Xeon® W-11865MLE) |
| Drives | |
| Hard disk | M.2 SSD 256 GB Eco |
| SSD | Yes |
| Memory | |
| Type of memory | DDR4-3200 SO-DIMM |
| Main memory | 4 / 8 / 16 / 32 GB; ECC optional |
| Data areas and their retentivity | |
| Retentive data area (incl. timers, counters, flags), max. | 512 kbyte; 128 KB can be stored in the buffer time; optional |
| Hardware configuration | |
| Slots | |
| <ul style="list-style-type: none"> Number of PCI slots Number of compact flash slots | 2 0 |
| Interfaces | |
| Number of industrial Ethernet interfaces | 4; 4x Gigabit Ethernet (IE/PN) |
| serial interface | 1x / 2x (optional) COM (RS 232 / 485 / 422; selectable) |
| Video interfaces | |
| <ul style="list-style-type: none"> Graphics interface | 2x DisplayPort (DP1.4-capable): maximum 4096 × 2304 / 60 Hz / 36 bit |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps | Yes Yes |
| Interrupts/diagnostics/status information | |
| LED status display | 1x power, 3x user |
| Bus diagnostics | Yes |

| Integrated Functions | |
|--|---|
| Monitoring functions | |
| • Temperature monitoring | Yes |
| • Fan | No |
| • Monitoring function via network | Optional |
| Degree and class of protection | |
| IP degree of protection | IP20 |
| Standards, approvals, certificates | |
| Siemens Eco Profile (SEP) | Siemens EcoTech |
| CE mark | Yes |
| UKCA mark | Yes |
| CSA approval | Yes |
| UL approval | Yes; UL 61010-2-201 Second Edition, File E85972 |
| • UL 508 | No |
| cULus | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| FCC | Yes |
| BSMI | No; in preparation |
| BIS | Yes |
| Ecological footprint | |
| • environmental product declaration | Yes |
| Global warming potential | |
| — global warming potential, (total) [CO2 eq] | 619 kg |
| — global warming potential, (during production) [CO2 eq] | 68.8 kg |
| — global warming potential, (during operation) [CO2 eq] | 566 kg |
| — global warming potential, (after end of life cycle) [CO2 eq] | -15.8 kg |
| Marine approval | |
| • Germanischer Lloyd (GL) | Yes |
| • American Bureau of Shipping (ABS) | Yes |
| • Bureau Veritas (BV) | Yes |
| • Det Norske Veritas (DNV) | Yes |
| • Korean Register of Shipping (KRS) | Yes |
| • Lloyds Register of Shipping (LRS) | Yes |
| • Nippon Kaiji Kyokai (Class NK) | Yes |
| Ambient conditions | |
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 55 °C |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Altitude during operation relating to sea level | |
| • Installation altitude above sea level, max. | 3 000 m |
| Relative humidity | |
| • Operation, max. | 85 % |
| Vibrations | |
| • Vibration resistance during operation acc. to IEC 60068-2-6 | tested according to IEC 60068-2-6; 5 Hz to 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s ² |
| Operating systems | |
| pre-installed operating system | Windows 10 IoT Enterprise 2021 LTSC, Windows 11 IoT Enterprise 2024 LTSC, Industrial OS |
| without operating system | Yes; Optional |
| pre-installed operating system | |
| • Windows 10 Enterprise | Yes; Windows 10 IoT Enterprise 2021 LTSC |
| Mechanics/material | |

| | |
|----------------------------|--------------------------|
| Enclosure material (front) | Continuous-cast aluminum |
|----------------------------|--------------------------|

Dimensions

| | |
|--------|----------|
| Width | 262 mm |
| Height | 139.7 mm |
| Depth | 62.6 mm |

Approvals / Certificates

General Product Approval



[Miscellaneous](#)



General Product Approval **For use in hazardous locations**

[BIS CRS](#)



For use in hazardous locations **Maritime application**



[Miscellaneous](#)



Maritime application **Dangerous goods** **Environment**

[NK / Nippon Kaiji Kyokai](#)

[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)

[Dangerous goods information](#)



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